Name: Homework
Date:

1. Build the rule (in slope-intercept form), then find the x and y intercepts.

Equation:
$$\frac{\sqrt{2}-3}{2} \times \frac{16.5}{16.5}$$
 $\frac{\sqrt{1}}{(-18,70.5)}$

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 $\frac{\sqrt{1}}{(-18,70.5)}$
 $\frac{\sqrt{2}-7}{(-18,70.5)}$
 $\frac{\sqrt{2}-7}{(-18)}$
 $\frac{\sqrt{2}-7}$

2. Build the rule (in slope-intercept form), then find the x and y – intercepts.

3. Build the rule for the line travelling through an x-intercept of 12 and a y-intercept of 96.

$$\sqrt{x}$$
-intercept: $(\frac{12}{12}, \frac{96-0}{12})$ as $\frac{y^2-y_1}{x^2-x_1} = \frac{96-0}{0-12} = \frac{96}{12} = -8$

Equation:
$$y = -8 \times + 96$$

4. There is a line travelling through an x-intercept of -1250 and a y-intercept of 50. What is the y-coordinate of a point on that line if its x-coordinate is 840

$$-$$
 x-intercept: $(\frac{1256}{5}, \frac{6}{5})$

y-intercept:
$$(\frac{\bigcirc}{\times 2}, \frac{5}{\cancel{72}})$$

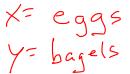
Equation:
$$\frac{\sqrt{-0.04} \times 150}{}$$

Complex Total

Ex. Dennis goes to the store to buy eggs and bagels. He bought 12 eggs and 15 bagels. The total cost of his order was \$ 30.00

Show the relationship between the cost of an egg and the cost of a bagel described in the

problem above.



 $12 (\cos x + \cos x) + 15 (\cos x + \cos x) = 30$ 12x + 15y = 30 -12x -12x 15y = -(2x + 30) 15 15 15

\times	Y
0.50	/, 6
0.75	(-4
[.00	1.2
1.25	

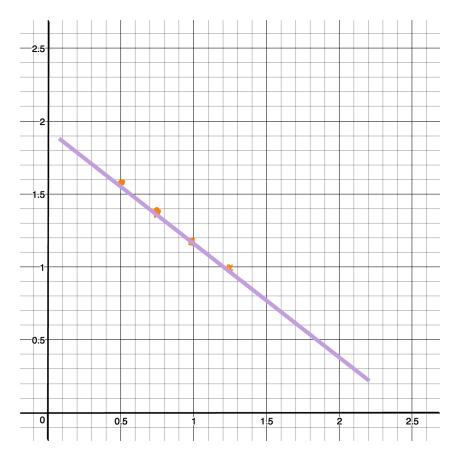
Y=axtb

Y=-0.8x +2

7=-0.8 Co.5)+2

Y=-0.4 +2

7=1.6



Question: If an egg costs \$ 1.25, how much must a bagel cost?

Answer: A bagel must cost \$ _____

$$y = ax+b$$
 $y = -0-6(1.25)+2$
 $y = -1+2$
 $y = ($